

NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD WEST
SYRACUSE, N. Y. 13202



April 29, 1974

50-220

Mr. Donald J. Skovholt
Assistant Director for Reactor Operations
Division of Reactor Licensing
United States Atomic Energy Commission
Washington, D.C. 20545

Dear Mr. Skovholt:

In accordance with Technical Specifications 1.136 and 4.3.3e for
Nine Mile Point Unit 1, the enclosed Abnormal Occurrence Report is sub-
mitted. This report is in accordance with the format set forth in Regulatory
Guideline 1.16.

Very truly yours,

R.R. Schneider
Vice President - Electric Operations

RRS/bar

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COPY SENT REGION 1

ABNORMAL OCCURRENCE REPORT

1. Report No. 74-6
- 2a. Date April 20, 1974
- 2b. Occurrence Date April 19, 1974
3. Facility Nine Mile Point Unit 1
4. Identification of Occurrence

Excessive Main Steam Line Isolation Valve Leakage.
5. Conditions Prior to Occurrence

Unit 1 was shutdown for annual refueling.
6. Description of Occurrence

During the process of re-leak testing the MSIV's (AOR 50-220/74-3) the procedure called for low leakage outside isolation valves and a retest of them. During the retest the outside valve leakage (approx. 95 SCFM) exceeded 12.9 SCFH limit. This valve had already satisfied the leakage test on April 2, 1974, therefore the reason for excessive leakage on April 19, 1974 could be attributed to a not fully closed valve or particles trapped under the seat of the valve. Since the unit was shutdown during this period no hazard was presented to the general public.
7. Designation of Apparent Cause of the Occurrence

Still under investigation.
8. Analysis of Occurrence

The Main Steam Line Isolation Valve leakage through the outside valve would not present a problem during a shutdown, however prior to returning the unit to service all valves will be retested.
9. Corrective Action

The valve will be inspected to determine the exact cause of excessive leakage. If in fact, particles were caught under the seat it may become necessary to relap the valve.

10. Failure Data

At least one of these valves has failed to achieve the necessary leak tightness during the annual test while the unit is shutdown. Therefore, an outside consultant has been retained to study, examine and recommend corrective action. Results of this study and corrective actions will be submitted when available.

TO: MR. JAMES P. O'REILLY RO:I

TELECOPY

Files

FROM: MR. THOMAS J. PERKINS - NINE MILE POINT

APRIL 20, 1974

ABNORMAL OCCURRENCE 50-220-74-6 MSIV LEAKAGE

PURSUANT TO TECHNICAL SPECIFICATIONS 1.13 e WE ARE REPORTING AS AN ABNORMAL OCCURRENCE THE FAILURE OF MSIV #112 TO PASS A LEAK RATE TEST AS ESTABLISHED IN TECHNICAL SPECIFICATION 4.3.3.e (4) NINE MILE POINT NUCLEAR STATION UNIT #1.

ON APRIL 2, 1974, IN ACCORDANCE WITH TECHNICAL SPECIFICATION 4.3.3.e (2) THIS VALVE WAS LEAK TESTED AND SUCCESSFULLY PASSED THE TEST WITH 7.85 SCFH LEAKAGE. THE LIMIT FOR INDIVIDUAL VALVE LEAKAGE HAS BEEN ESTABLISHED AS 12.9 SCFH. ON THAT SAME DAY, AS REPORTED, THE TWO INSIDE MSIV'S FAILED TO PASS THE LEAK RATE TEST. PRIOR TO RETESTING THE FAILED INSIDE VALVES A CHECK WAS MADE OF THE OUTSIDE VALVES. LEAKAGE THRU #112 WAS DISCOVERED TO BE EXCESSIVE (98.4 SCFH).

THE CAUSE FOR THIS CHANGE IS UNDER INVESTIGATION ALTHOUGH IT IS SUSPECTED THAT DIRT PARTICLES MAY HAVE BEEN TRAPPED UNDER THE SEAT OR THAT VALVE PACKING LEAKAGE MAY HAVE CAUSED THIS CHANGE.

THE UNIT WAS DOWN FOR REFUELING AT THE TIME SO NO HAZARD WOULD HAVE BEEN PRESENTED TO THE GENERAL PUBLIC. THE VALVE HAS BEEN DEMONSTRATED TO BE WITHIN SPECIFICATIONS IMMEDIATELY FOLLOWING SHUTDOWN.

THOMAS J. PERKINS
STATION SUPERINTENDENT

*Perkins
50-220-74-6*